



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

09/490,882

01/24/2000

Douglas Alexander

14531.27.2.1

7778

22913

7590

07/08/2004

WORKMAN NYDEGGER (F/K/A WORKMAN NYDEGGER &
SEELEY)

60 EAST SOUTH TEMPLE

1000 EAGLE GATE TOWER

SALT LAKE CITY, UT 84111

EXAMINER

SHELTON, BRIAN K

ART UNIT

PAPER NUMBER

2611

8

DATE MAILED: 07/08/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/490,882

Applicant(s)

ALEXANDER ET AL.

Examiner

Brian Shelton

Art Unit

2611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 April 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 11-15, 16-24, 25-28, and 29-31 is/are allowed.
- 6) ☒ Claim(s) 1-2 and 4 is/are rejected.
- 7) ☒ Claim(s) 3 and 5-10 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. This Action is in response to Applicant's Amendment, dated 15 April 2004.

Terminal Disclaimer

2. The terminal disclaimer filed on 15 April 2004 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of 6,169,879 has been reviewed and is accepted. The terminal disclaimer has been recorded.

3. The terminal disclaimer filed on 15 April 2004 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of 6,530,085 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Response to Arguments

4. Applicant's arguments with respect to claims 1-2, 4-5, 6 and 9 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

Art Unit: 2611

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

6. **Claims 1 and 2** are rejected under 35 U.S.C. 102(a) as being anticipated by ATI Technologies, Inc., "All-In-Wonder User's Guide," (Version 1.0, Revision A), 1997 (hereinafter "ATI").

Regarding **claim 1**, ATI discloses an interconnection cable system (disclosure of "Output Adapter" at page 14; see also pages 37-38, describing A/V Output) for interconnecting a first electronic device (Personal Computer) to a second electronic device (Television), both electronic devices utilizing audio and video signals, the interconnection system comprising:

- (a) a plurality of electrical conductors (inherently disclosed by an interconnection cable transmitting a plurality of video signals and stereo audio signals) for interconnecting the first electronic device (TV) and the second electronic device (PC), each of the plurality of electrical conductors having a first end (to TV input) and a second end (from ALL-IN WONDER A/V Out);
- (b) one or more male audio connectors (Stereo mini plug connector), each being attached to the first end of one of the electrical conductors of the plurality of electrical conductors (stereo mini plug at first end inherently discloses attachment to electrical conductors for the transmission of audio signals); and

- (c) a male video connector attached to the first end of each of a subset of the plurality of electrical conductors (TV S-Video connector attached to a subset of conductors and TV Composite connector attached to a subset of connectors; attachment to conductors is inherently disclosed by the S-Video connector (chrominance, luminance and ground conductors) and the Composite connector (Composite video signal and ground)) the video connector being selectively adaptable for use with either a composite signal format or an S-video signal format such that the interconnection system is selectively usable with either the composite signal format or the S-video signal format (the interconnection system is selectively usable with either S-Video or Composite depending upon which connection is made to the desired TV input).

As for **claim 2**, ATI discloses the interconnection cable system wherein the video connector comprising a male S-video connector for use with the S-video signal format (Male S-Video connector of Input Adapter disclosed at page 14).

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. **Claim 4** is rejected under 35 U.S.C. 103(a) as being unpatentable over ATI in view of RadioShack, 1998 Answers Catalog, (1998) (hereinafter "RadioShack").

Regarding **claim 4**, ATI discloses male audio connectors for transmitting audio signals between the first electronic device and the second electronic device (as discussed above relative to claim 1) but fails to specifically disclose one or more male audio connectors comprising a left audio connector and a right audio connector capable of transmitting audio between the first and second device while composite video is used.

RadioShack, however, discloses interconnection cable systems comprising RCA audio connectors, wherein the RCA connectors comprise left and right male connectors (RadioShack at page 119, items 1-7). RCA audio connectors with left and right male connectors provide the benefit of simplifying the interconnection of audio/video devices by providing a standard output connector for connection to the RCA audio female inputs of an output device.

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the male audio connector of ATI to incorporate left and right audio connectors, as taught by RadioShack, for the typical benefit of simplifying the interconnection of audio/video devices by

providing a standard output connector for connection to the RCA audio female inputs of an output device.

Allowable Subject Matter

9. Claims 11-15, 25-28, and 29-31 are allowed for the reasons disclosed in the Office Action dated 30 Jan 2004.

10. Claims 16-24 are allowed due to the acceptance of the Terminal Disclaimer regarding U.S. Patent No. 6,169,879.

11. Claims 3, 5, and 6-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hamano et al. (Hamano), U.S. Patent No. 6,178,474 discloses a interconnection system comprising a cable connecting first and second electronic devices further comprising a video connector selectively adaptable for use with

either a composite signal format of a S-Video format (Figs. 1 and 2; col. 4, lines 7-56).

13. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

14. The following are suggested formats for either a Certificate of Mailing or Certificate of Transmission under 37 CFR 1.8(a). The certification may be included with all correspondence concerning this application or proceeding to establish a date of mailing or transmission under 37 CFR 1.8(a). Proper use of this procedure will result in such communication being considered as timely if the established date is within the required period for reply. The Certificate should be signed by the individual actually depositing or transmitting the correspondence or by an individual who, upon information and belief, expects the correspondence to be mailed or transmitted in the normal course of business by another no later than the date indicated.

Art Unit: 2611

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on _____
(Date)

Typed or printed name of person signing this certificate:

Signature: _____

Certificate of Transmission

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. (703) _____ - _____ on _____
(Date)

Typed or printed name of person signing this certificate:

Signature: _____

Please refer to 37 CFR 1.6(d) and 1.8(a)(2) for filing limitations concerning facsimile transmissions and mailing, respectively.

15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Shelton whose telephone number is (703) 305-8714. The examiner can normally be reached on Monday-Friday, 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the primary examiner, Christopher Grant can be reached on (703) 305-4380. The fax phone


Art Unit: 2611

number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

Brian Shelton
Examiner
Art Unit 2611

BS



VIVEK SRIVASTAVA
PRIMARY EXAMINER